



**ZF - MULTISTEER**

**MS-E 3050/3060/3070 II**

# **REPAIR MANUAL**

## **for ZF - Multisteer**

### **MS-E 3050/3060/3070 II**

#### **IMPORTANT INFORMATION:**

Due to the great variety of ZF units it is necessary to limit disassembly and reassembly manuals to a current ZF production unit. Continuous technical upgrading of the ZF units and extensions concerning design options may require differing steps, which can be carried out by qualified specialists without greater difficulties by means of the perspective views included in the corresponding spare parts lists.

This disassembly and reassembly manual is based on the design level of a ZF production unit at the time of issue of the manual.

ZF Friedrichshafen AG reserves the right to replace this disassembly and reassembly manual by a successive edition at any time without advance notice. Upon request, ZF Friedrichshafen AG will advise which edition is the latest one.

**Any maintenance work is to be done in accordance with Operating Instructions (ZF-order no: 5871 564 902) and ZF's List of Lubricants TE-ML 05!**

The list of lubricants is being continuously updated and can be obtained or viewed as follows:

- In all ZF-plants
  - In all ZF-service organizations
  - Internet [www.zf.com](http://www.zf.com)
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#### **CAUTION:**

**For the installation as well as for the commissioning of the unit, the Instructions and Specifications of the Vehicle Manufacturer have to be observed !**

## **ZF Friedrichshafen AG**

ZF Services

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This document is a translation of the German original.

Subject to technical modifications!

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## PREFACE

This documentation has been developed for specialized staff trained by ZF Friedrichshafen AG for repair and maintenance work to be made on ZF units.

**This documentation describes a ZF series product with a design level valid at the date of edition.**

Due to the continuous technical upgrading of the product, however, the repair of the unit at your disposal may require both deviating work steps and differing setting and testing data.

We would therefore recommend you to entrust masters and servicemen with the work on your ZF product whose practical and theoretical training is constantly updated in our training school.

The Service Stations established by ZF Friedrichshafen all over the world offer you:

1. Permanently trained staff
2. Specified equipment, e.g. special tools
3. State-of-the-art genuine ZF spare parts

All work is done there with utmost care and reliability.

In addition, repair work carried out by ZF Service Stations is covered by the ZF warranty within the terms of the currently applicable contractual conditions.

Any damage resulting from work which is done in an improper and unprofessional manner by third parties and any consequential costs incurred shall be excluded from this contractual liability.

This shall also be applicable if other than genuine ZF spare parts are used.

ZF Friedrichshafen AG

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